

PTO-1449 (Modified)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTY. DOCKET NO. 003493.00226	SERIAL NUMBER 09/987,610
	APPLICANT Albert Chow et al.	
	FILING DATE November 15, 2001	GROUP ART UNIT Unassigned

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
TG	5,295,180	3/1994	Vendetti et al.	—	—	
TG	5,159,625	10/1992	Zicker	—	—	
TG	4,456,793	6/1984	Baker	—	—	
	5,940,755	12/1996	Scott	455	426	
	5,905,953	12/1996	Liu et al.	455	433	
	6,047,071	4/1997	Shah	455	410	
	5,995,829	7/1997	Broderick	455	418	
	5,887,254	4/1996	Halonon	455	419	
	6,064,880	6/1997	Alanara	455	419	
	5,703,934	6/1995	Zicker et al.	455	33.1	
V	5,907,802	12/1996	Scott	455	406	

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

TG	"TIA/EIA Interim Standard" Addendum No. 1 to TIA/EIA/IS-136.1-A, by Global Engineering Documents with the permission of EIA, pages 14, 266, 332-332-40
B	"DIVA-2000 Wireless Local Loop", Diva Communications taken from <a href="http://www.diva.com/product.htm">www.diva.com/product.htm</a> , pages 1-5, printed September 28, 1998
B	"The OptaPhone 2000 Plus-2", "OptaPhone 2000 Wireless Point-to-Point Telephone Systems, taken from <a href="http://www.asis.com/optaphone/pluss.html">www.asis.com/optaphone/pluss.html</a> , pages 1-6, printed September 25, 1998.
B	"Wireless Communications Industry Survey", Wireless Local Loop World taken from <a href="http://www.telecomresearch.com">www.telecomresearch.com</a> , pages 1-2, printed on September 25, 1998.
B	"OptaPhone Systems Overview", OptaPhone Systems Overview: Products, Markets and Customers taken from <a href="http://www.asis.com/optaphone/osoview.html">www.asis.com/optaphone/osoview.html</a> , pages 1-6, pages 1-7, printed September 25, 1998.

EXAMINER T. Gesessu	DATE CONSIDERED 9/30/04
EXAMINER: Initial citation if reference was considered. Draw line through citation if not in conformance to MPEP 609 and not considered. Include copy of this form with next communication to applicant.	

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<i>TS</i>	6,029,066	10/1995	Despres	455	419	
<i>TS</i>	5,673,306	11/1992	Amadon et al.	379	88	
	5,950,130	3/1997	Coursey	455	432	
	6,148,197	3/1998	Bridges et al.	455	432	
	6,144,849	2/1998	Nodoushani et al.	455	419	
	6,141,544	11/1998	Corriveau et al.	455	411	
	6,263,211	9/1998	Brunner et al.	455	464	
	5,687,218	11/1997	Nakayama	455	507	
	5,943,425	7/1996	Mizikovsky	455	411	
	5,675,629	10/1997	Raffel et al.	455	456	
	5,787,354	4/1995	Gray et al.	455	456	
	6,148,197	11/1997	Bridges et al.	455	432	

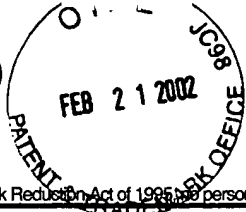
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EXAMINER <i>T. Geselle</i>	DATE CONSIDERED <i>9/30/04</i>
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 1 of 1

**Complete if Known**

Application Number	09/987,610
Filing Date	November 15, 2001
First Named Inventor	Albert Chow et al.
Group Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	03493.00226

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
TS		US-6,167,261	12/26/00	Amin	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
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<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Examiner  
Signature

T. Geselle

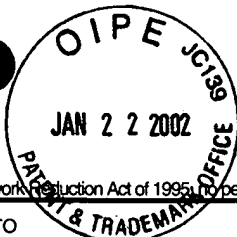
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PTO/SB/08A (10-01)

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T.G.		US-6,073,015	06/06/00	Berggren et al.	
		US- 6,148,197	11/14/00	Bridges et al.	

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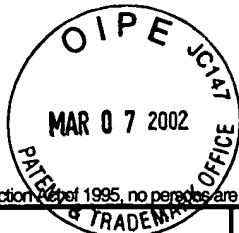
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PTO/SB/08A (10-01)

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		Number - Kind Code <sup>2</sup> (if known)			
<del>TE</del>		US-6,167,279	12/26/2000	Chang et al.	
<del>D</del>		US-6,236,860 B1	5/22/2001	Hagting et al.	

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Examiner  
Signature

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